

CLAIMS

1. An information recording apparatus for recording record information onto an information recording medium comprising: a first recording layer on which the record information is recorded by irradiating thereon laser light; and a second recording layer on which the record information is recorded by irradiating thereon the laser light through the first recording layer,

said information recording apparatus comprising:

a recording device for recording the record information into the first recording layer or the second recording layer by irradiating thereon the laser light;

a first controlling device for controlling said recording device to record the record information into a first object area which is a recording area of the second recording layer which faces a recorded area of the first recording layer in which the record information is already recorded; and

a second controlling device for controlling said recording device to record the record information into a second object area which is a recording area of the second recording layer which faces an unrecorded area smaller than a predetermined width, out of an unrecorded area which are adjacent to the recorded area.

2. The information recording apparatus according to claim 1, further comprising a third controlling device for controlling said recording device to record the record information while preparing the unrecorded area having a width less than the predetermined width, if recording the record information into the first recording layer while preparing the unrecorded area following

the recorded area.

3. The information recording apparatus according to claim 1, wherein
the predetermined width is a numerical value determined by a recording unit
5 of the record information.

4. The information recording apparatus according to claim 1, wherein
the predetermined width is a numerical value determined depending on a
radial position of the information recording medium.

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5. The information recording apparatus according to claim 1, wherein
the predetermined width corresponds to a size of a beam radius of the laser
light on the first recording layer in the case that the second recording layer is
irradiated with the laser light.

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6. The information recording apparatus according to claim 3, wherein
the information recording medium has a record track on which the
record information is recorded and which is distributed concentrically or
spirally, and

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the numerical value is a data size of the record information which can
be recorded onto the record track which is included in the predetermined
width at least partially.

7. The information recording apparatus according to claim 3, further
25 comprising a first storing device for storing therein size information for
indicating the numerical value.

8. The information recording apparatus according to claim 1, wherein said recording device records position information for indicating a position of the unrecorded area, onto the information recording medium.

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9. The information recording apparatus according to claim 1, further comprising a fourth controlling device for controlling said recording device to record the record information while preparing a plurality of unrecorded areas, each of which has a width less than the predetermined width, if recording the
10 record information into the first recording layer while preparing the unrecorded area which has a width is greater than the predetermined width following the recorded area.

10. The information recording apparatus according to claim 9, wherein
15 the record information is recorded such that a width between one and another unrecorded areas, prepared by control of said fourth controlling device, has a size greater than the predetermined width.

11. The information recording apparatus according to claim 1, wherein
20 said first controlling device controls said recording device to record the record information into an object area portion other than at least one portion of an edge portion of the first object area.

12. The information recording apparatus according to claim 11, wherein
25 said second controlling device controls said recording device to record the record information into the at least one portion which is adjacent to the

second object area.

13. A computer program for record control to control a computer provided for the information recording apparatus according to claim 1, said computer
5 program making the computer function as at least one portion of said recording device, said first controlling device and said second controlling device.